

Emission Sources - Maximum Allowable Emission Rates

Permit Number 7711A

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
Stillyard Operation				
HTR3	T-1 Laminating Adhesive Bulk Storage Tank Heater Vent	NO _x	0.05	0.22
		SO ₂	0.01	0.01
		PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
		CO	0.04	0.18
		VOC	0.01	0.01
HTR4	T-2 Laminating Adhesive Bulk Storage Tank heater Vent	NO _x	0.05	0.22
		SO ₂	0.01	0.01
		PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
		CO	0.04	0.18
		VOC	0.01	0.01
HTR5	Asphalt Heater for T-14 and T-15 Coating Asphalt Storage and Coating Feed Loop Vent	NO _x	0.10	0.44
		SO ₂	0.01	0.01
		PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
		CO	0.08	0.35
		VOC	0.01	0.02
BLR5	Standby Boiler Vent	NO _x	0.82	3.59
		SO ₂	0.01	0.04

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		PM	0.16	0.70
		PM ₁₀	0.16	0.70
		PM _{2.5}	0.16	0.70
		CO	1.73	7.58
		VOC	0.11	0.48
8/8A	Thermal Oxidizer (Direct Flame Incinerator) Exhaust through Waste Heat Boiler Stack	NO _x	1.90	8.31
		SO ₂	29.35	128.55
		PM	2.62	11.46
		PM ₁₀	2.62	11.46
		PM _{2.5}	2.62	11.46
		CO	11.34	49.65
		VOC	0.09	0.37
WHBLR1	Waste Heat Recovery Boiler Natural Gas Burner Side Vent	NO _x	0.47	2.06
		SO ₂	0.01	0.04
		PM	0.11	0.48
		PM ₁₀	0.11	0.48
		PM _{2.5}	0.11	0.48
		CO	1.24	5.43
		VOC	0.08	0.35
Common to Line 1 and Line 3				
CFL/34	Coalescing Filter Mist Elimination Systems (Line 1 and Line 3 Asphalt Coaters) with ESP as Backup (Stack)	PM	0.63	2.76
		PM ₁₀	0.63	2.76
		PM _{2.5}	0.63	2.76
		VOC	5.76	25.23
Line 1 Operation				
1-1	Line 1 Stabilizer Storage and Heater Baghouse Stack	PM	0.23	1.01
		PM ₁₀	0.23	1.01
		PM _{2.5}	0.23	1.01
1-3	Line 1 Stabilizer Use Bin Baghouse Stack	PM	0.03	0.13

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		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13
1-4	Line 1 Surfacing Section Dust Collector No. 1 Stack	PM	0.59	2.58
		PM ₁₀	0.59	2.58
		PM _{2.5}	0.59	2.58
1-5	Line 1 Surfacing Section Dust Collector No. 2 Stack	PM	0.59	2.58
		PM ₁₀	0.59	2.58
		PM _{2.5}	0.59	2.58
1-6	Line 1 Surfacing Section Dust Collector No. 3 Stack	PM	0.59	2.58
		PM ₁₀	0.59	2.58
		PM _{2.5}	0.59	2.58
COOL1	Line 1 Cooling Section (3 stacks)	PM	8.52	37.30
		PM ₁₀	8.52	37.30
		PM _{2.5}	8.52	37.30
		VOC	1.65	7.23
Line 3 Operation				
25	Sand Application Baghouse Stack	PM	0.59	2.58
		PM ₁₀	0.59	2.58
		PM _{2.5}	0.59	2.58
26A	Stabilizer Storage Baghouse A Stack	PM	0.15	0.66
		PM ₁₀	0.15	0.66
		PM _{2.5}	0.15	0.66
26B	Stabilizer Storage Baghouse B Stack	PM	0.29	1.27
		PM ₁₀	0.29	1.27
		PM _{2.5}	0.29	1.27
27	Stabilizer Heater Baghouse Stack	PM	0.09	0.39
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.09	0.39
28	Asphalt Heater Vent	NO _x	0.59	2.58

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		SO ₂	<0.01	0.02
		PM	0.04	0.20
		PM ₁₀	0.04	0.20
		PM _{2.5}	0.04	0.20
		CO	0.49	2.15
		VOC	0.03	0.14
FUG1	Plant-wide Fugitive Emissions	PM	0.91	3.97
		PM ₁₀	0.91	3.97
		PM _{2.5}	0.91	3.97
		VOC	0.43	1.88
COOL3	Line 3 Cooling Section (3 stacks)	PM	6.74	29.52
		PM ₁₀	6.74	29.52
		PM _{2.5}	6.74	29.52
		VOC	2.76	12.09
HTR6	Line 3 Stabilizer Thermal Fluid Heater Vent	NO _x	0.39	1.71
		SO ₂	0.01	0.01
		PM	0.03	0.13
		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13
		CO	0.33	1.45
		VOC	0.02	0.09
All Source (site-wide)	Various	Single HAP	--	<10
		Aggregate HAP	--	<25

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
HRVOC - highly reactive volatile organic compounds as defined in 30 TAC § 115.10
IOC-U - inorganic compounds (unspeciated)
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

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|-------------------|---|
| PM ₁₀ | - total particulate matter equal to or less than 10 microns in diameter, including PM _{2.5} , as represented |
| PM _{2.5} | - particulate matter equal to or less than 2.5 microns in diameter |
| CO | - carbon monoxide |
| HAP | - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C |

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: April 10, 2018